

FIG. 1

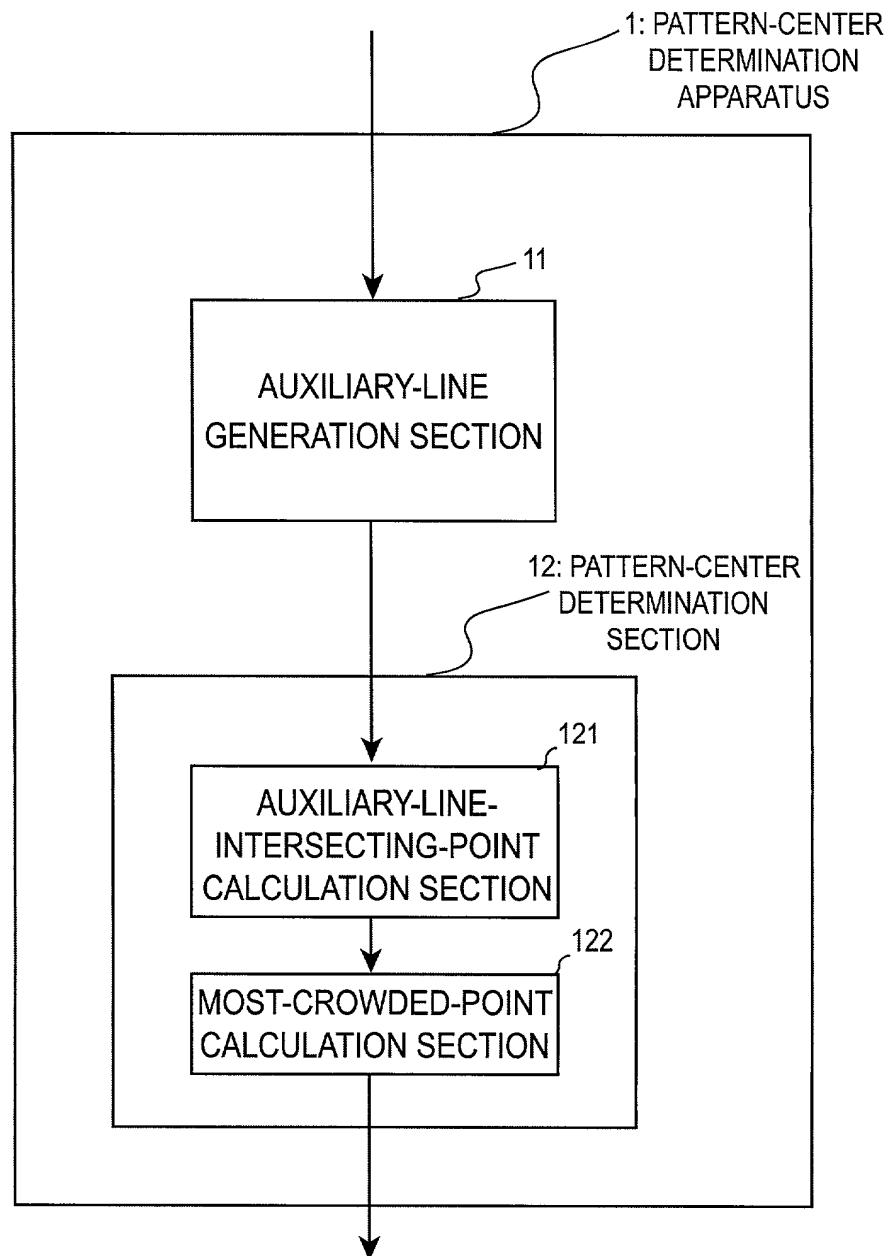


FIG. 2

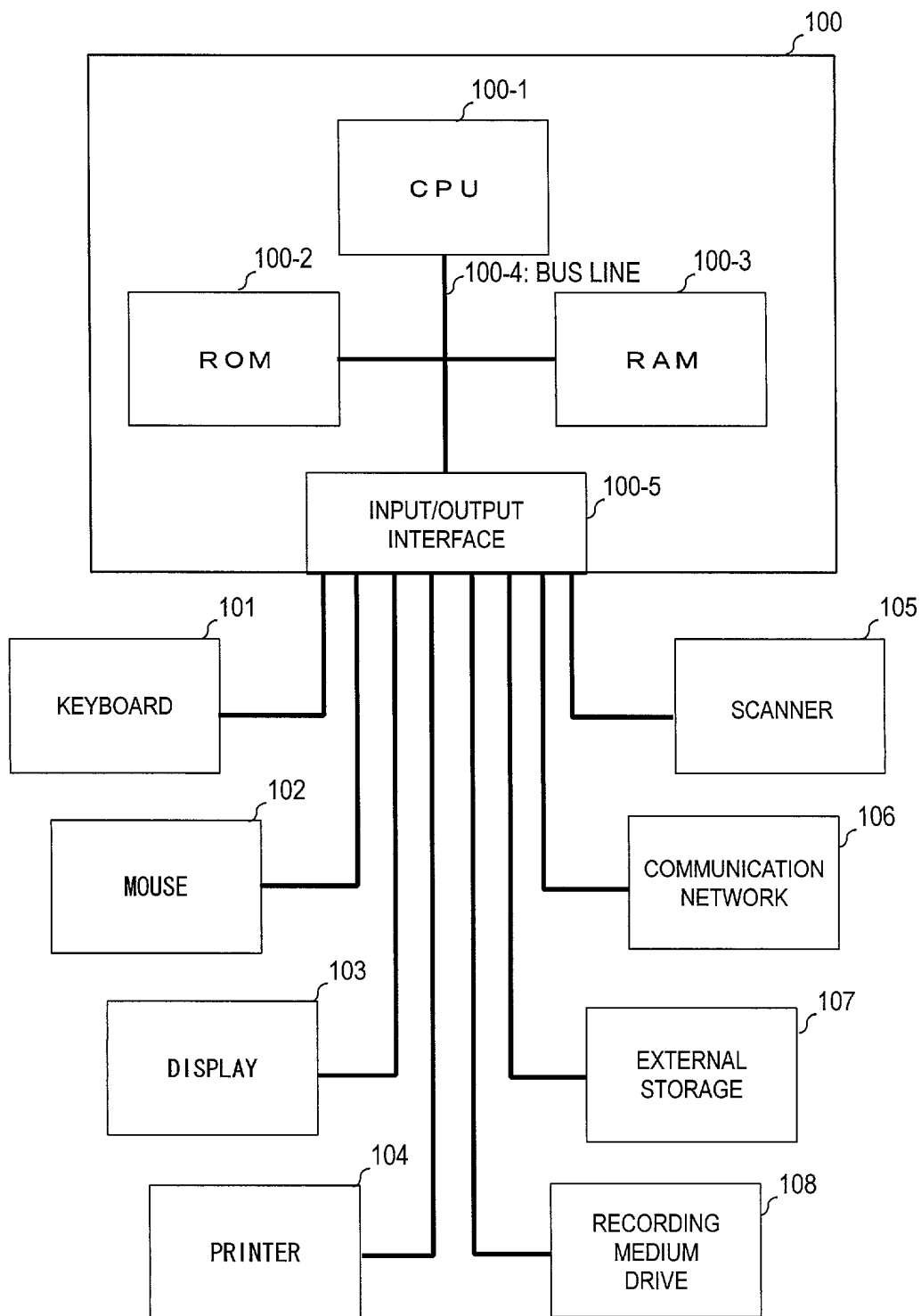


FIG. 3

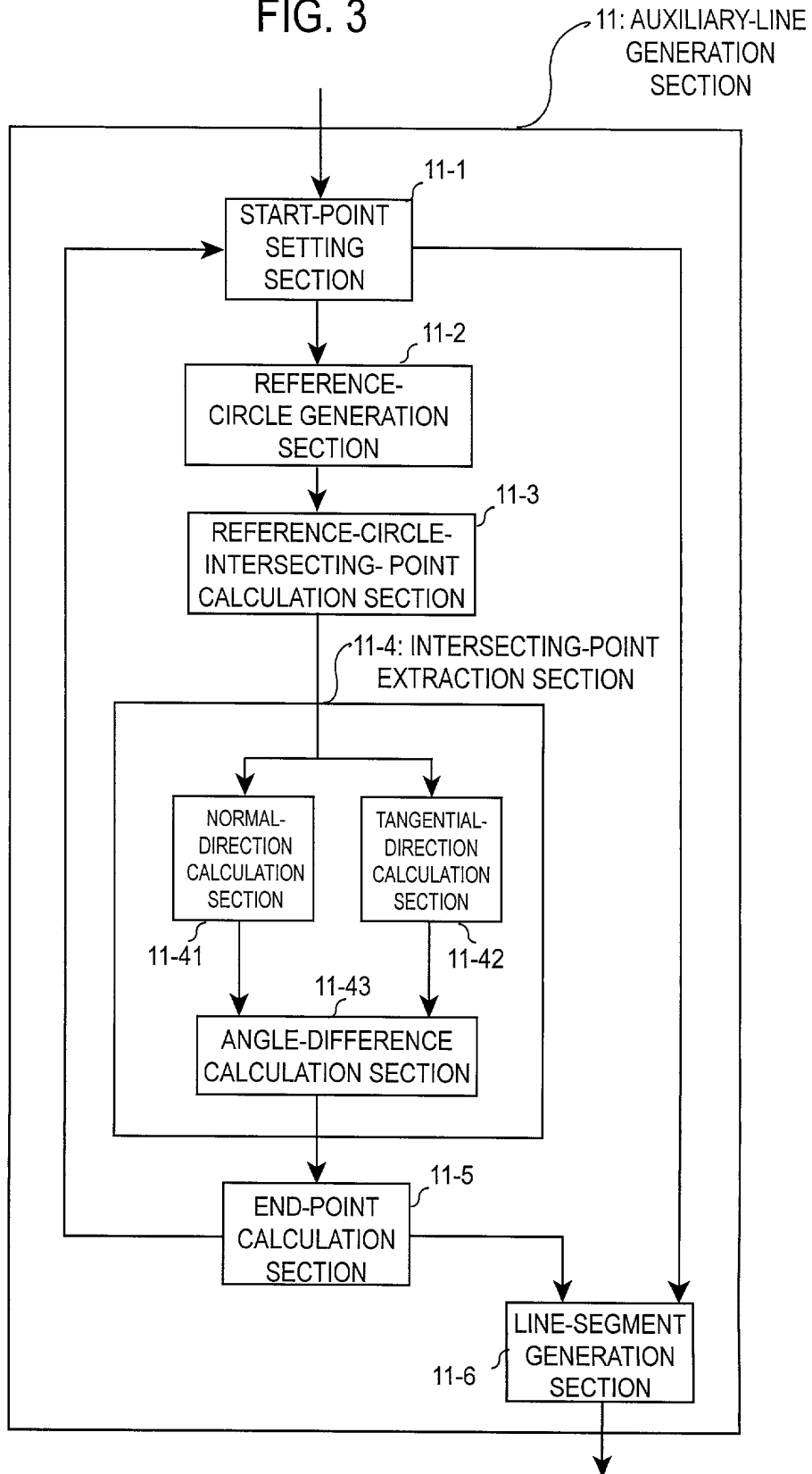


FIG. 4

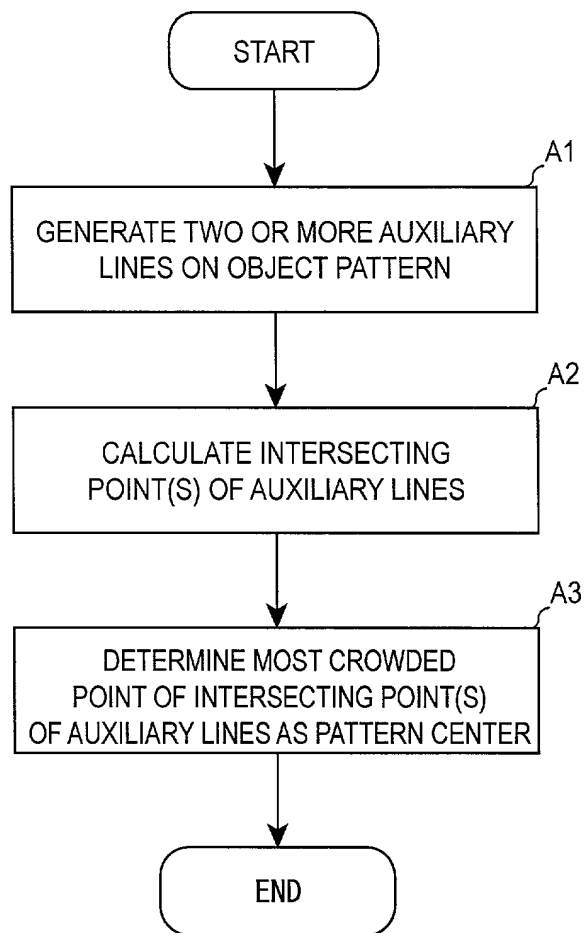


FIG. 5

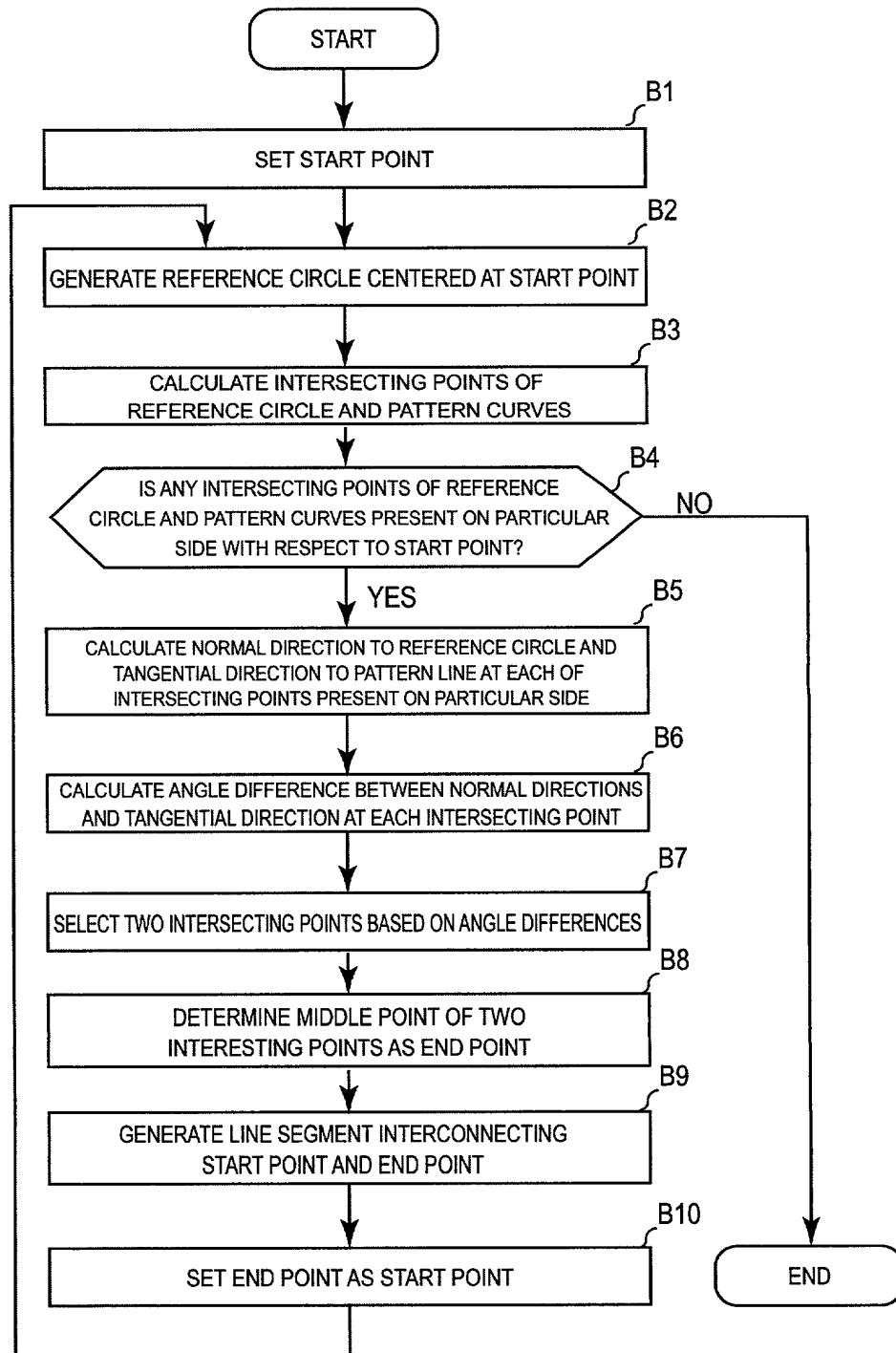


FIG. 6(A)

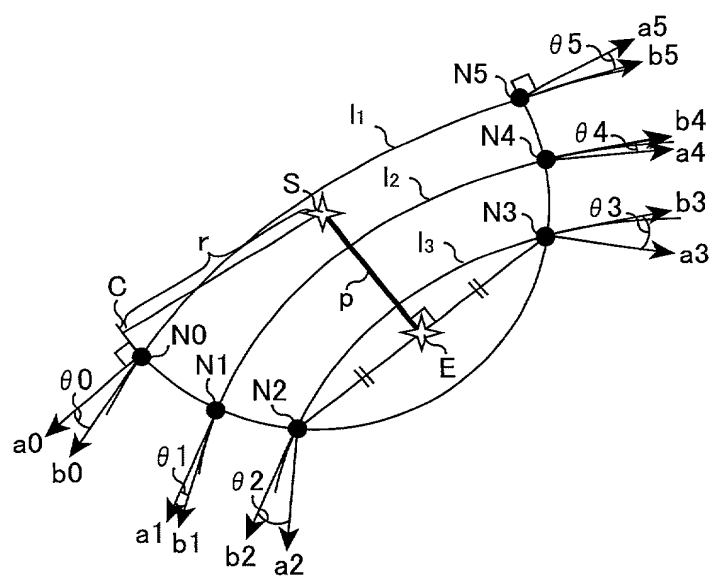


FIG. 6(B)

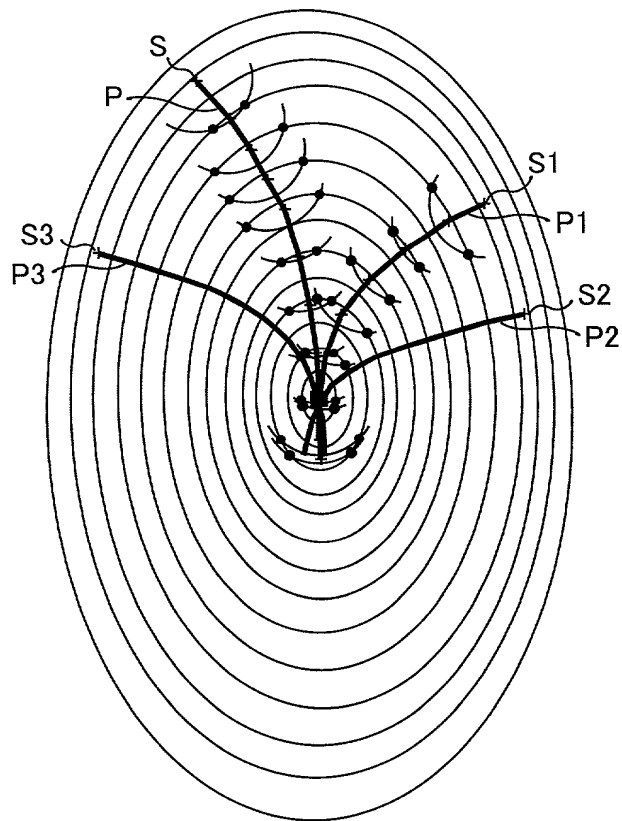


FIG. 7

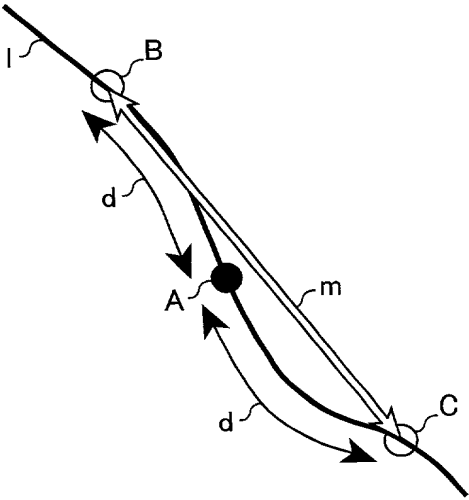


FIG. 8

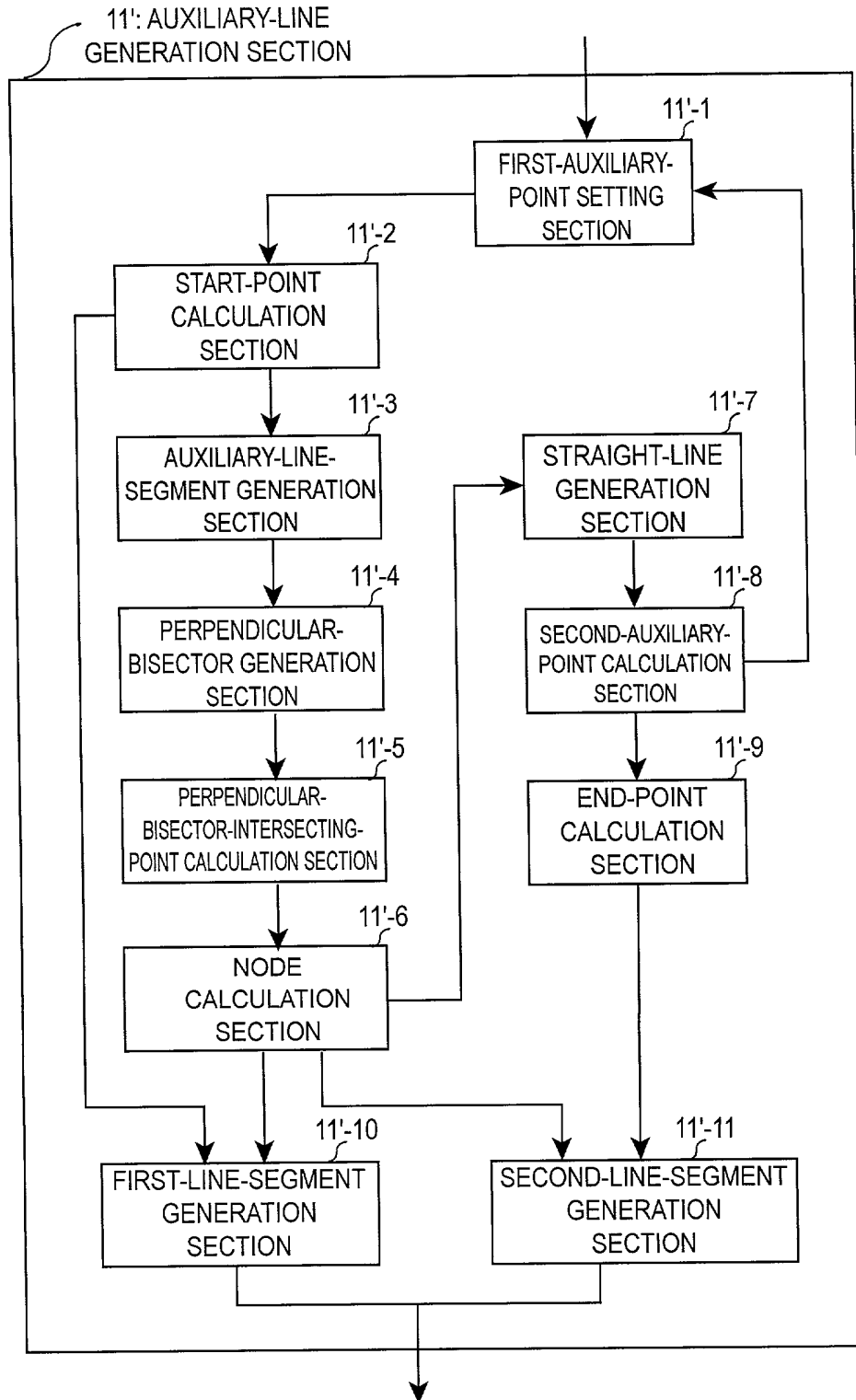


FIG. 9

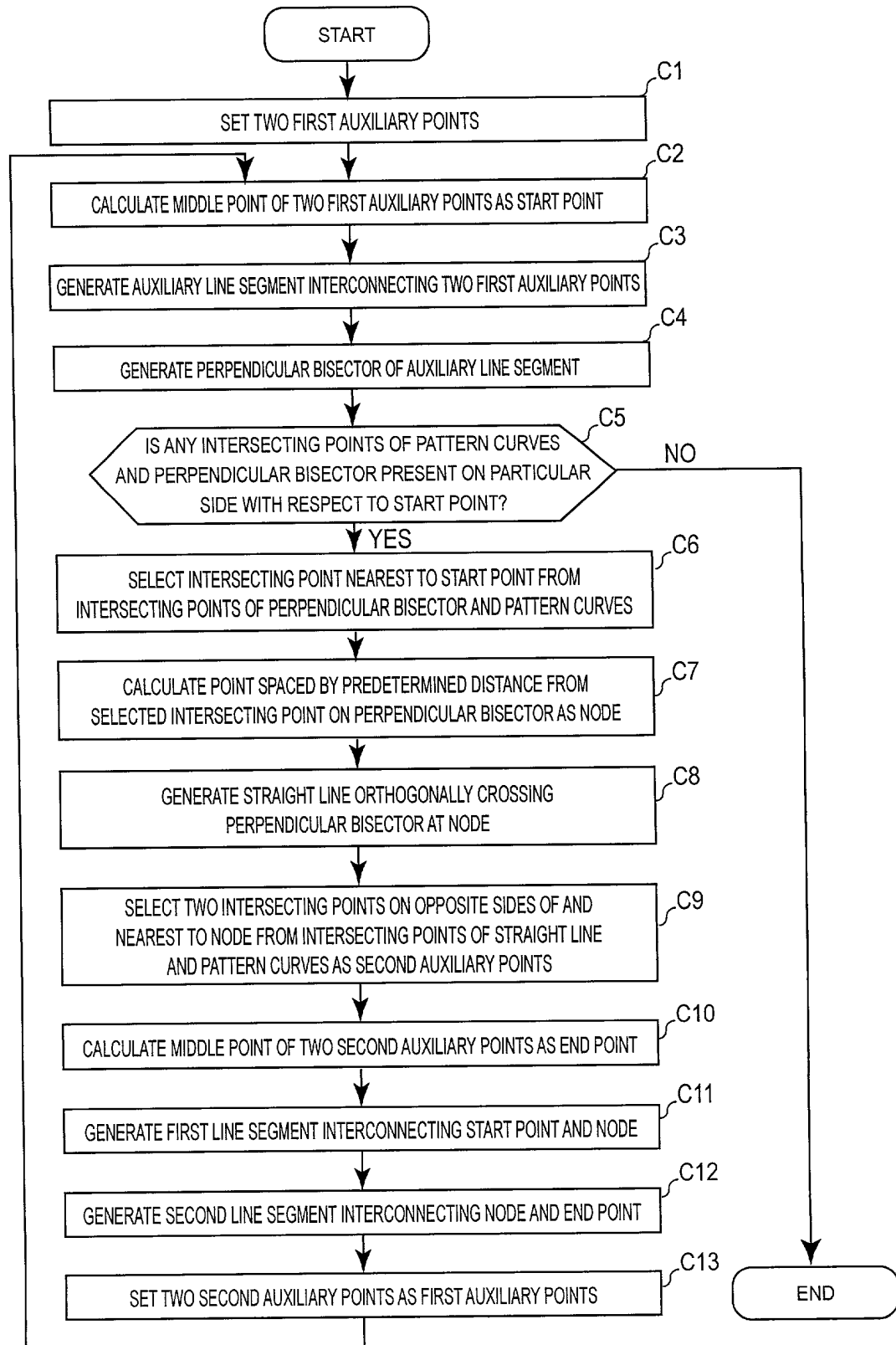


FIG. 10(A)

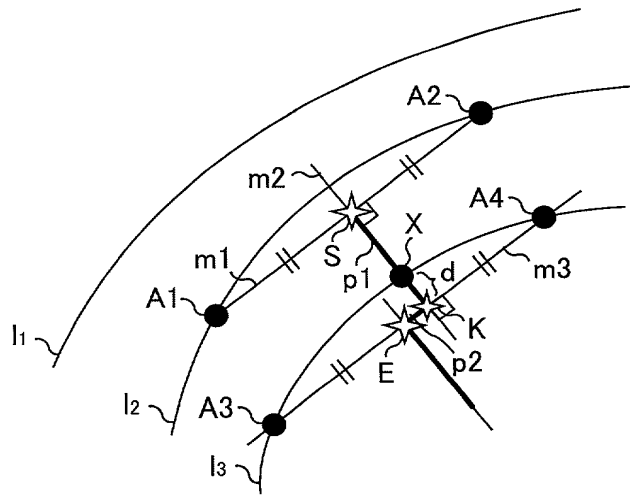


FIG. 10(B)

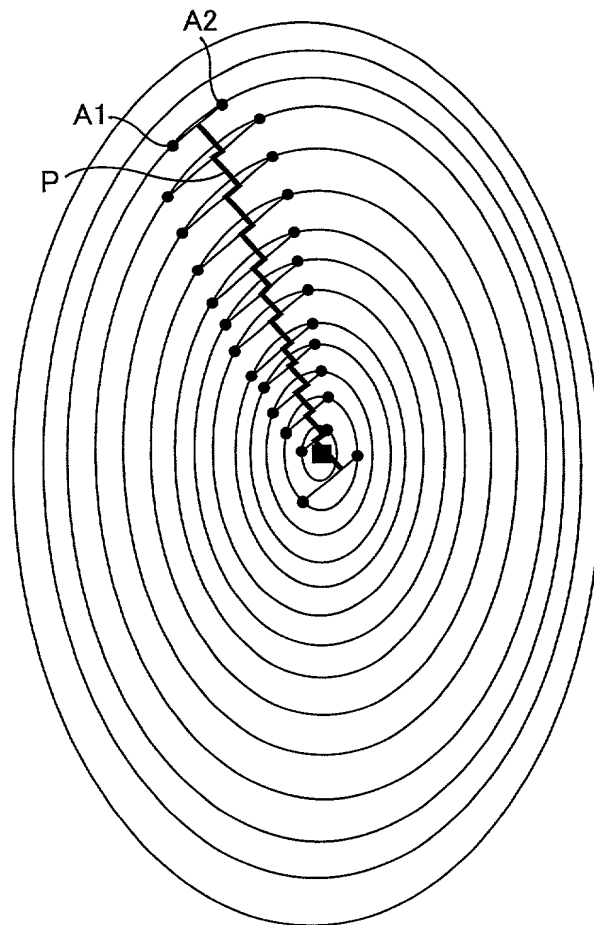


FIG. 11

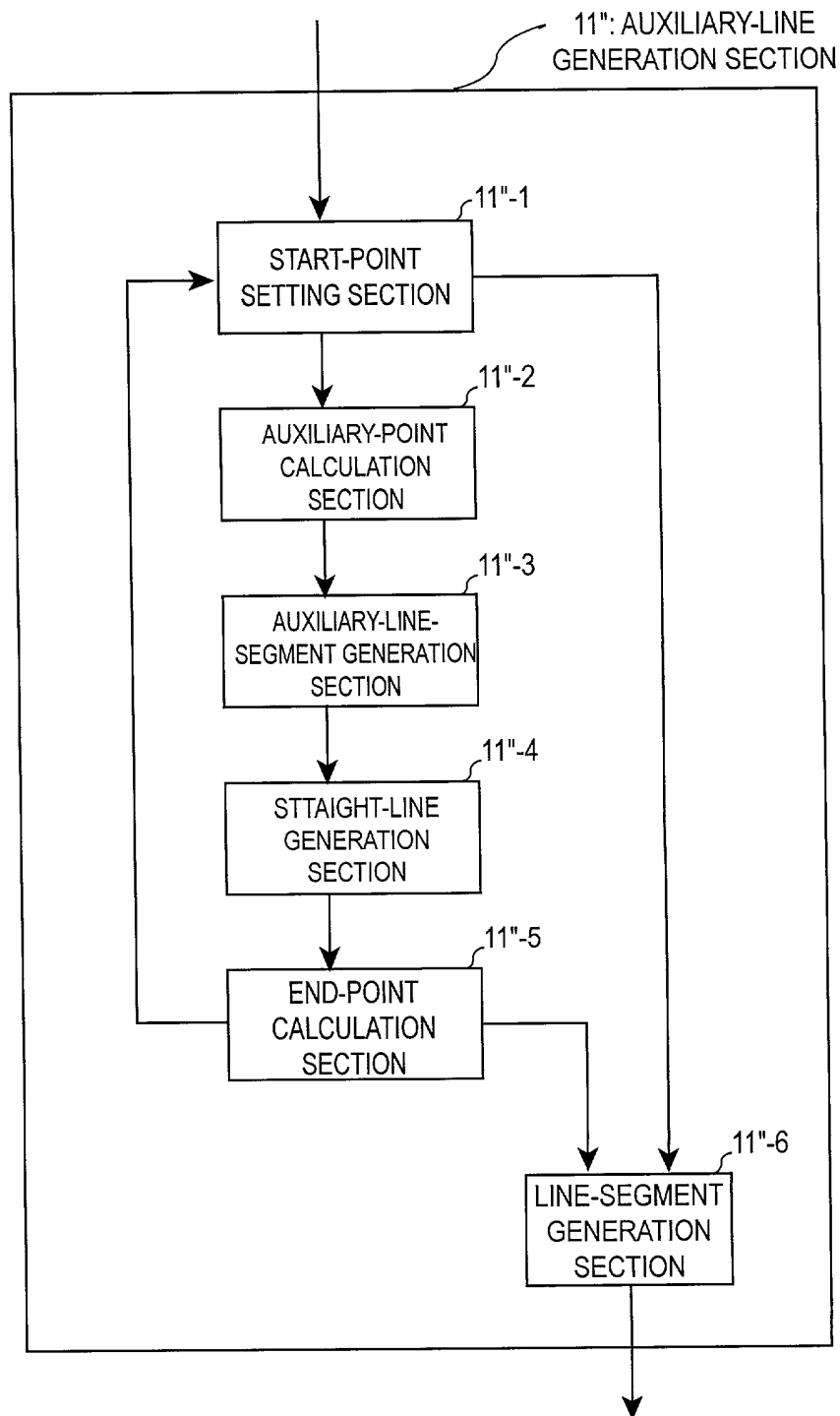


FIG. 12

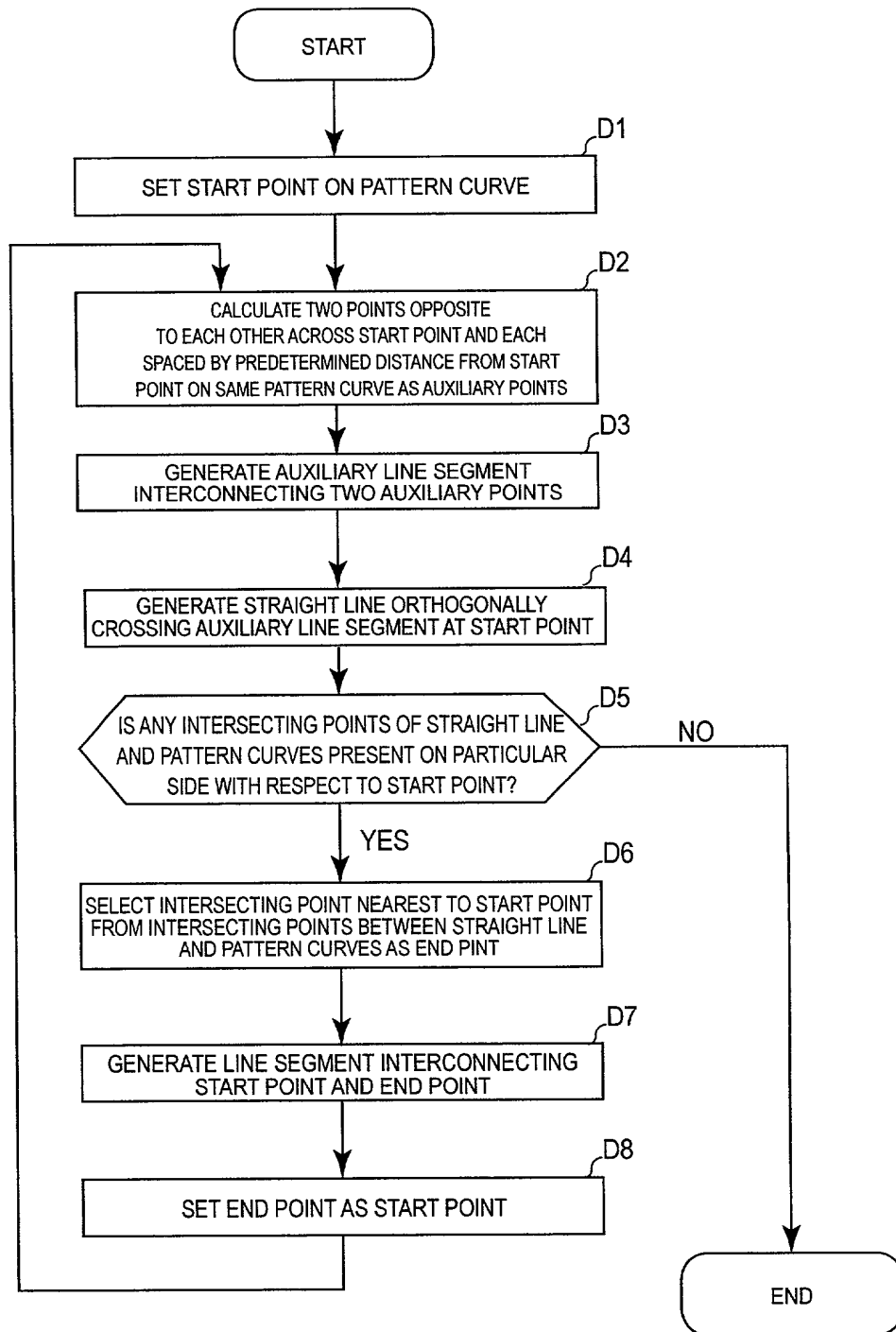


FIG. 13(A)

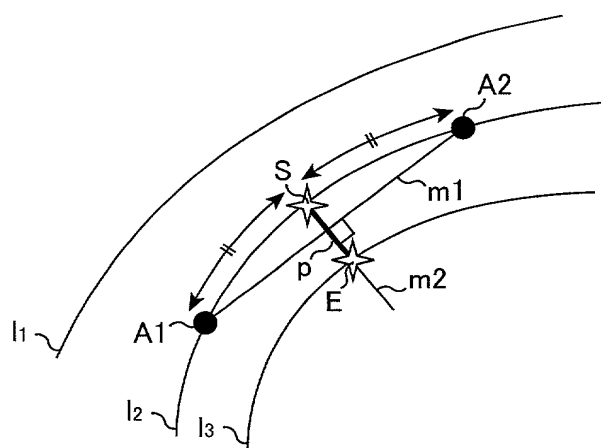


FIG. 13(B)

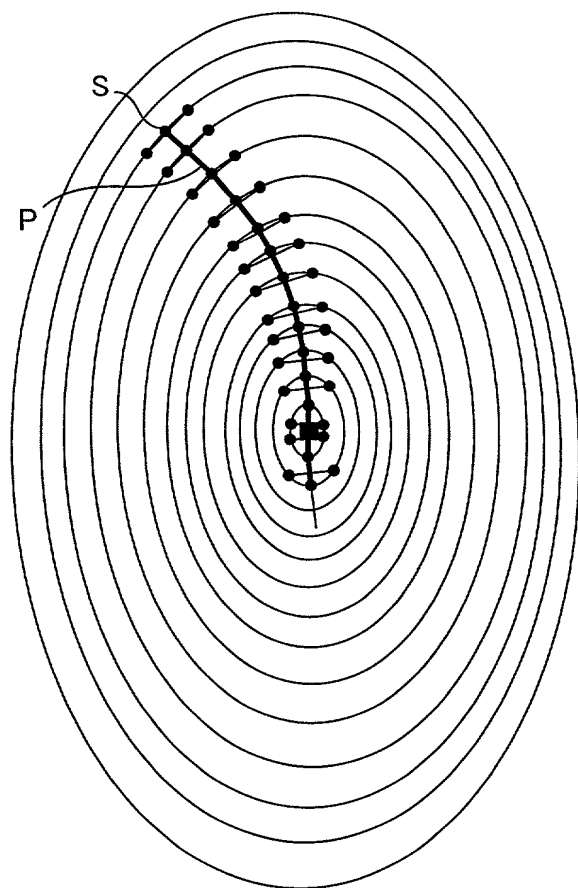


FIG. 14

2: PATTERN-ORIENTATION DETERMINATION APPARATUS

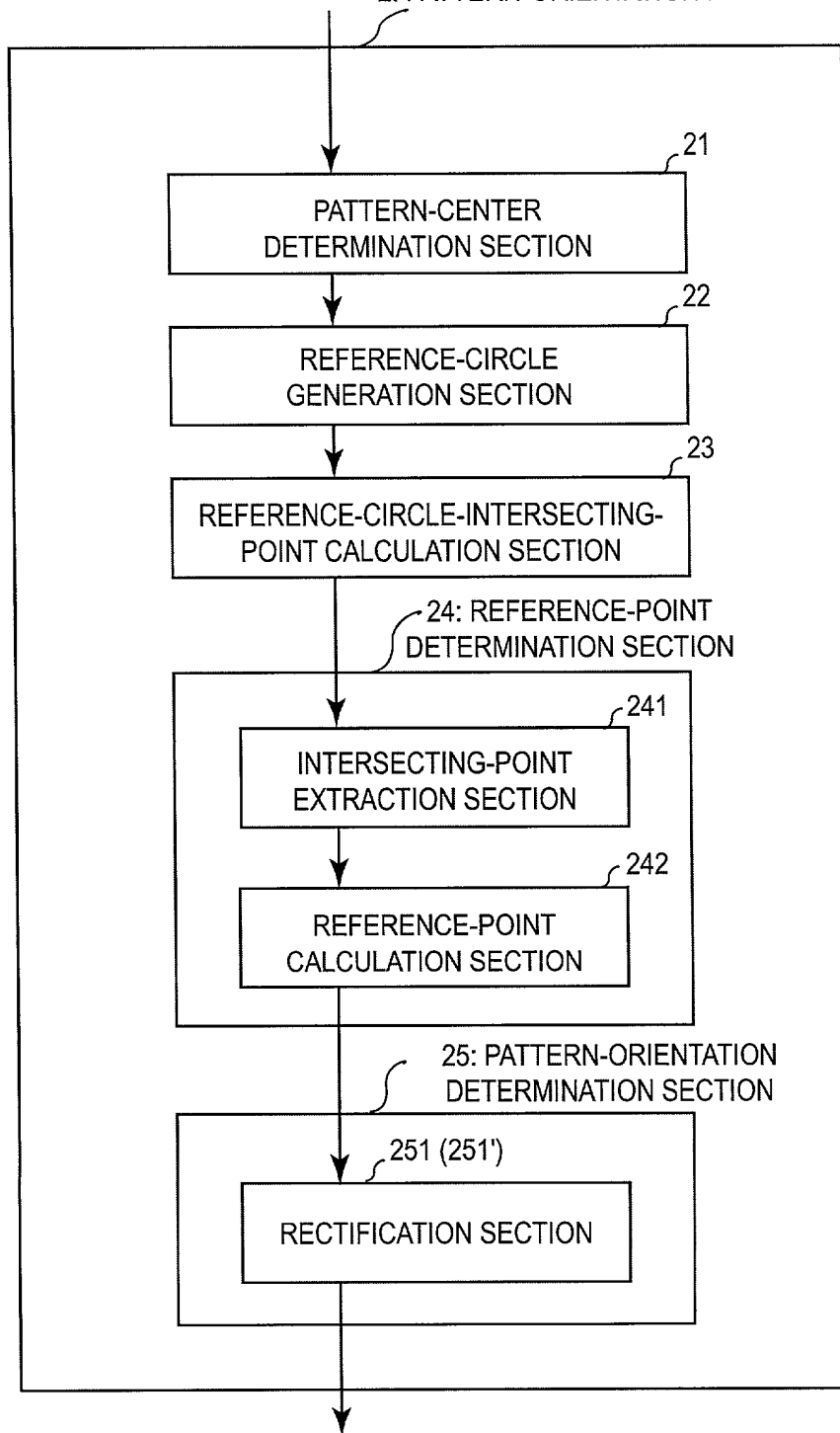


FIG. 15

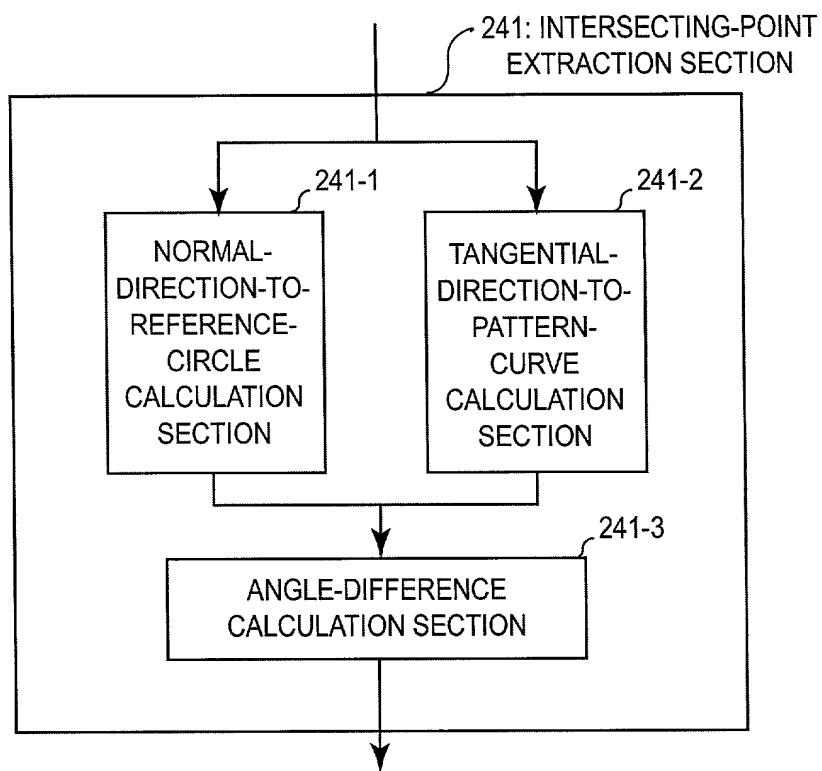


FIG. 16

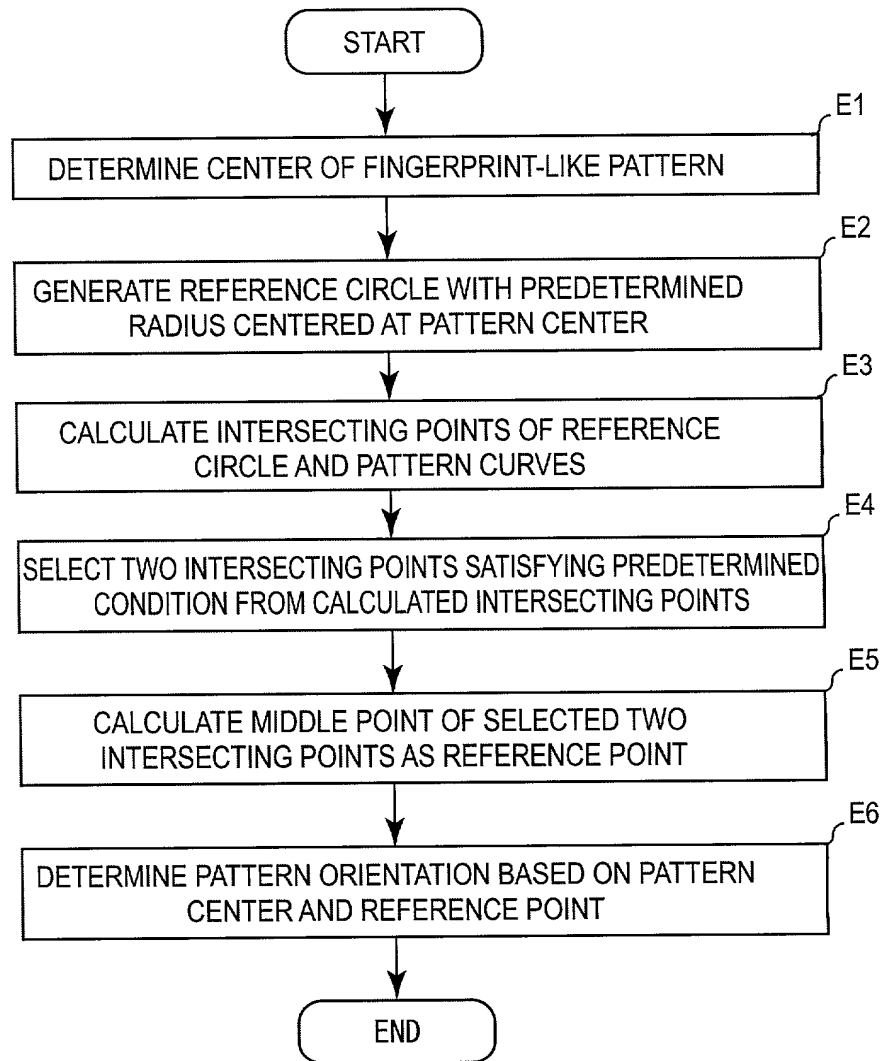


FIG. 17

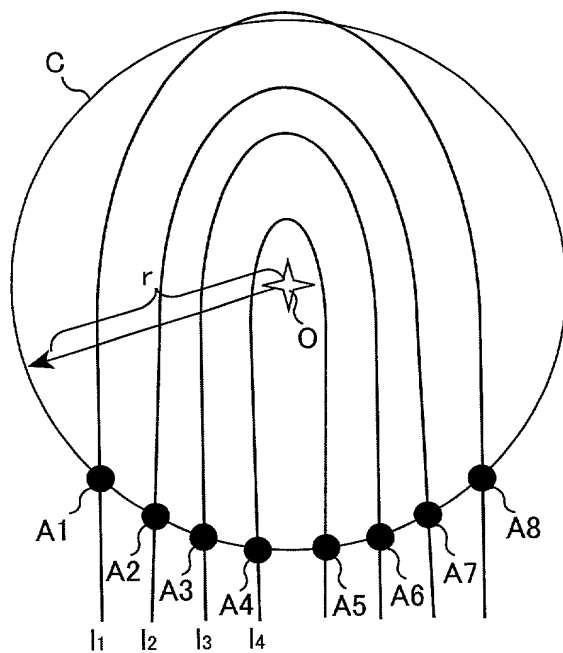


FIG. 18

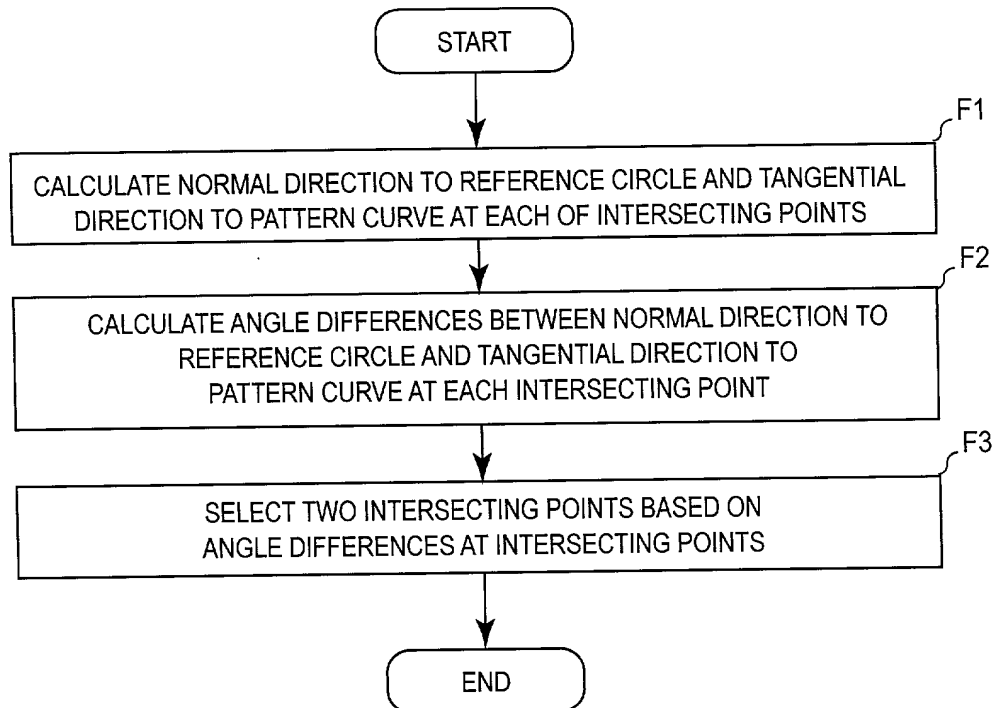


FIG. 19

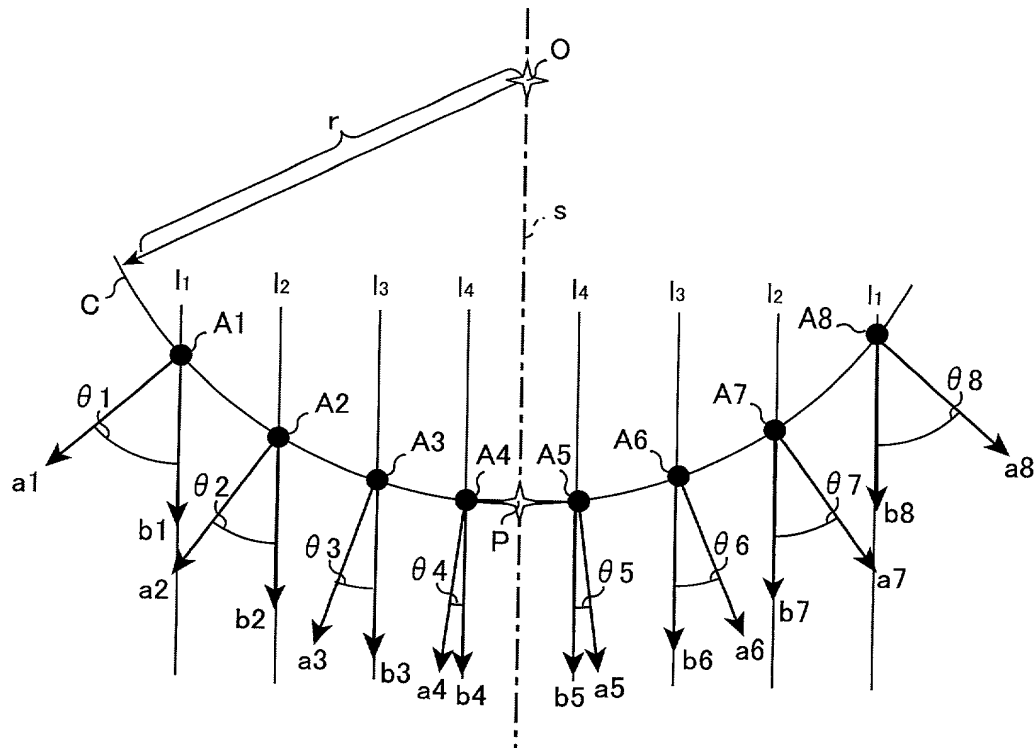


FIG. 20(A)

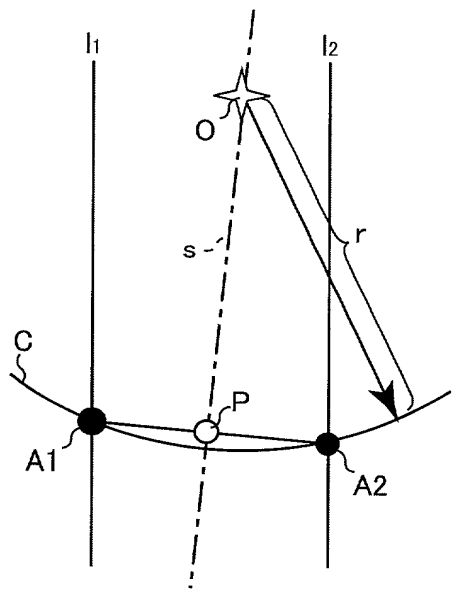


FIG. 20(B)

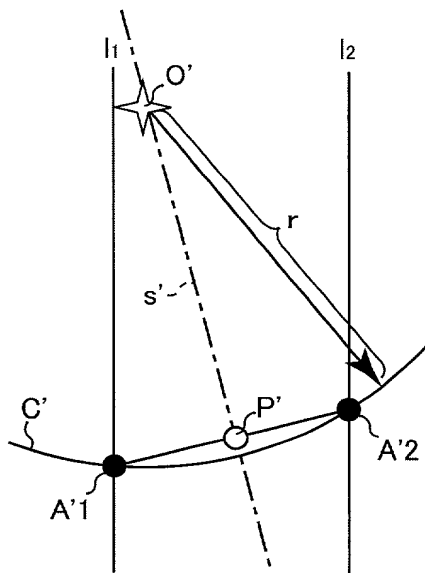


FIG. 21

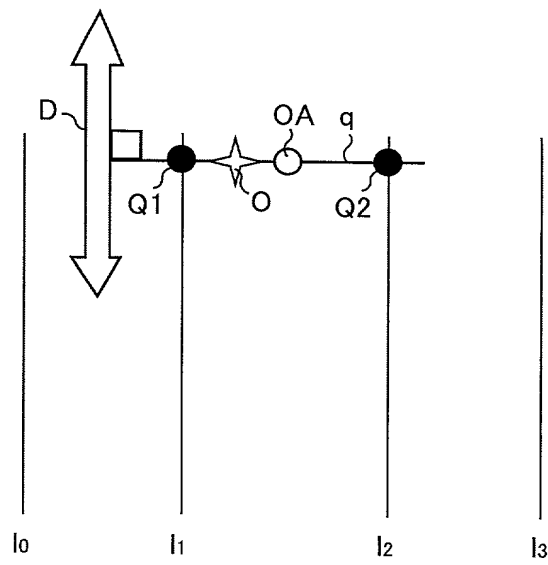


FIG. 22

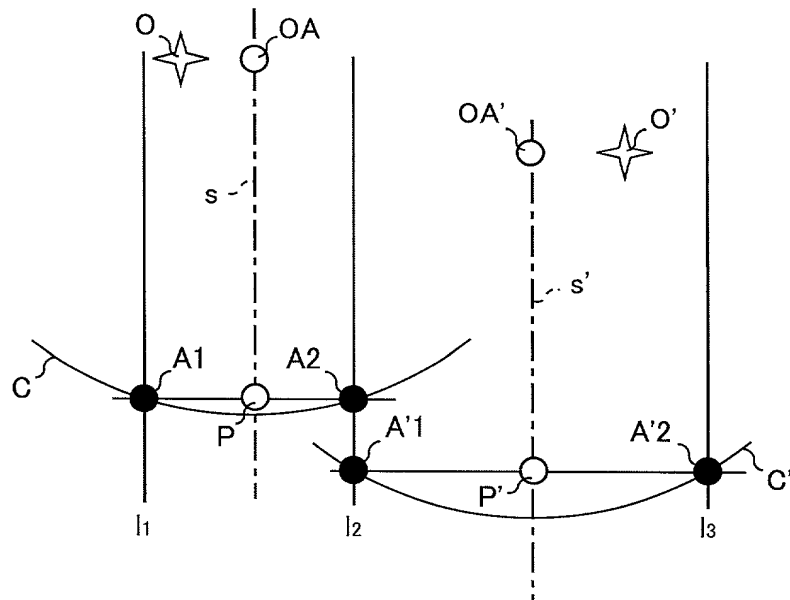


FIG. 23

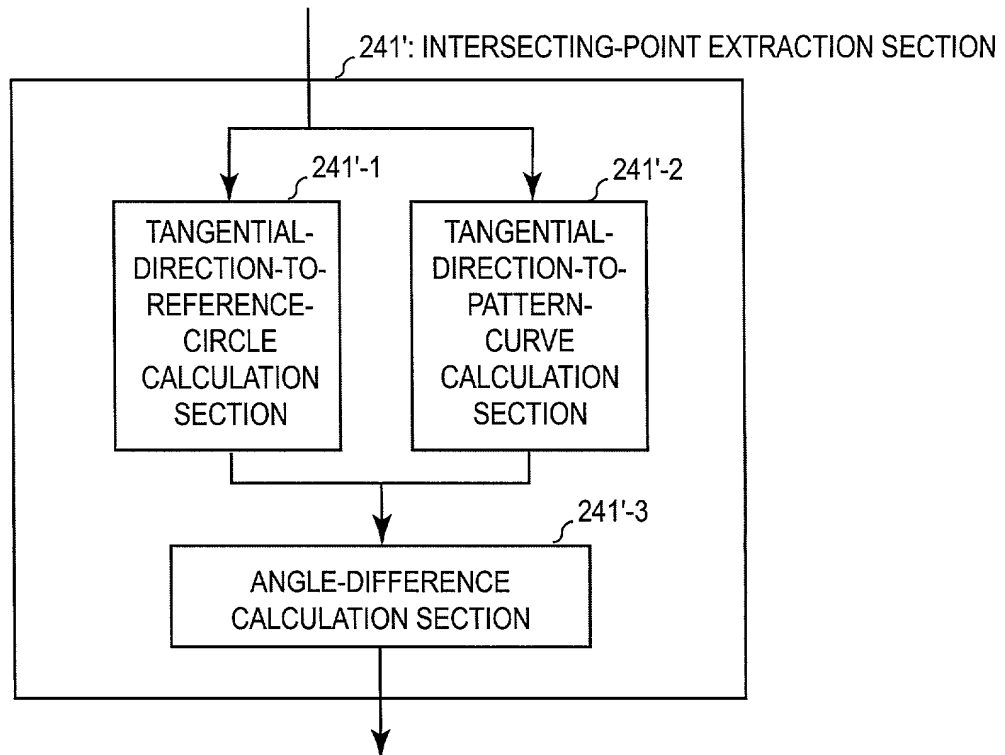


FIG. 24

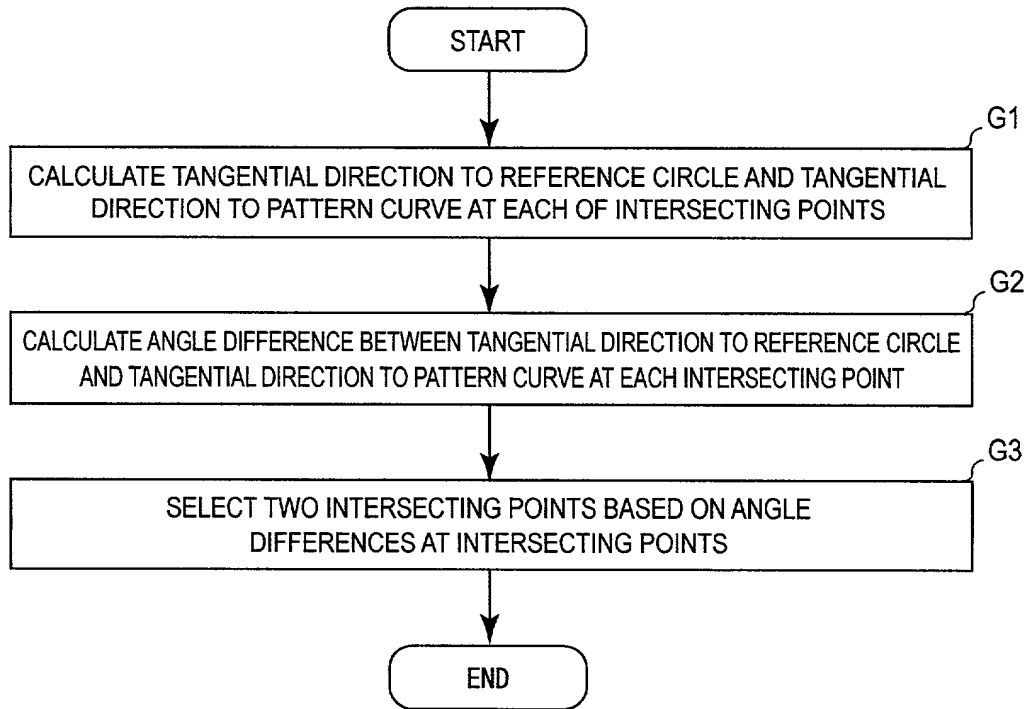
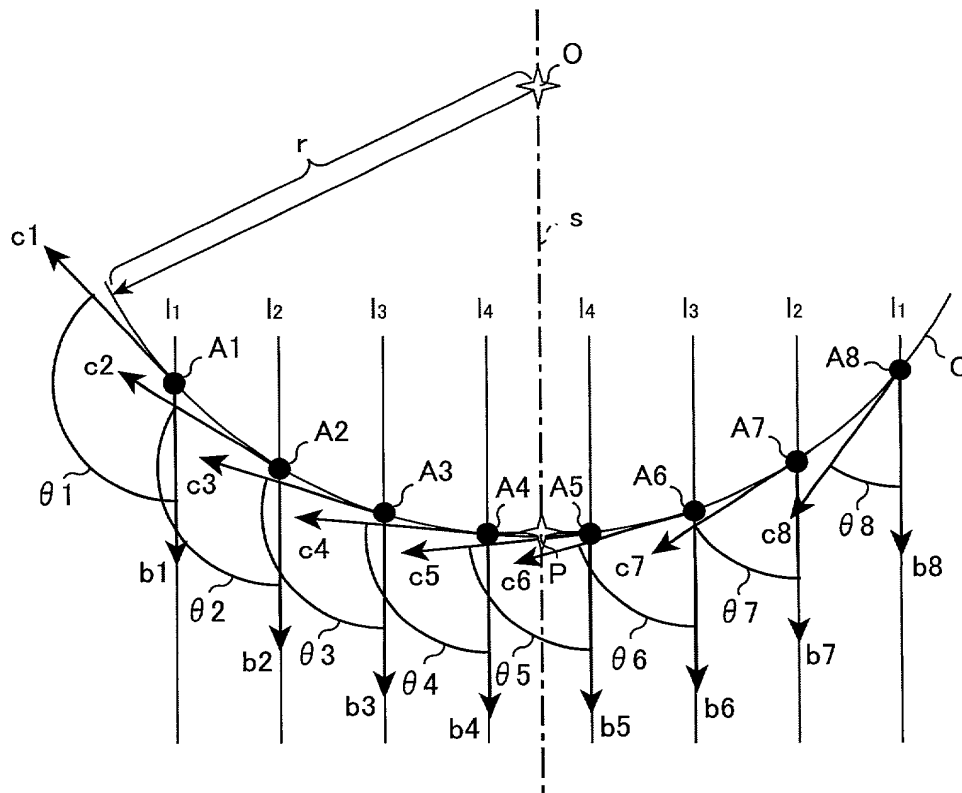


FIG. 25



[illegible]

FIG. 27

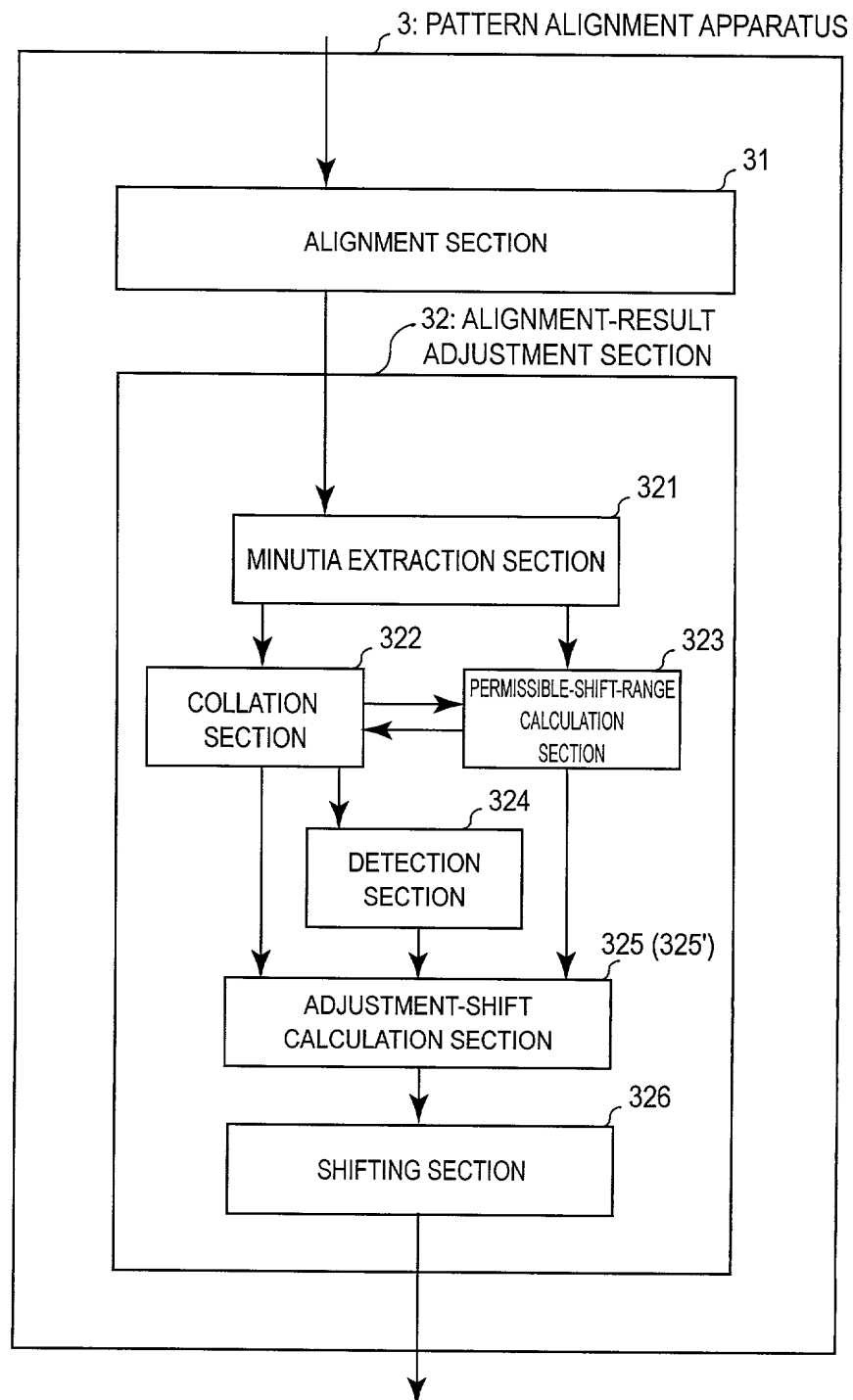
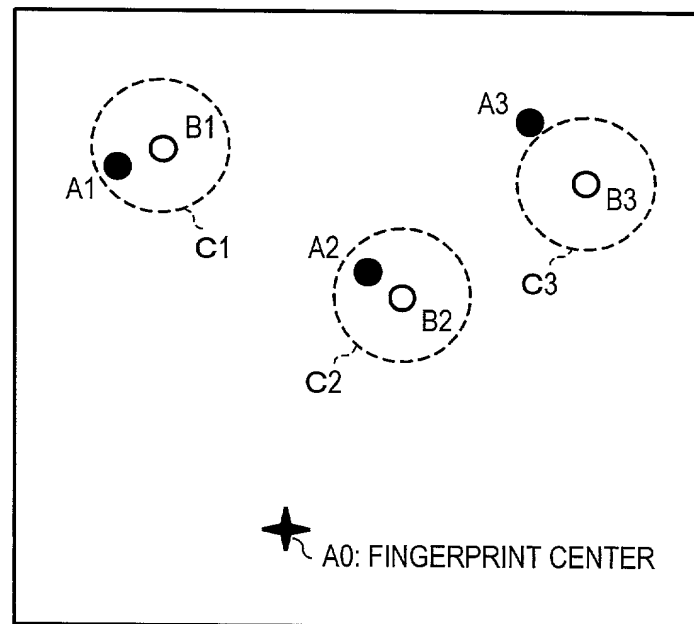


FIG. 28



● : MINUTIAE OF FINGERPRINT A

○ : MINUTIAE OF FINGERPRINT B

○ : THRESHOLD AREA FOR COINCIDENCE OF MINUTIAE

FIG. 29

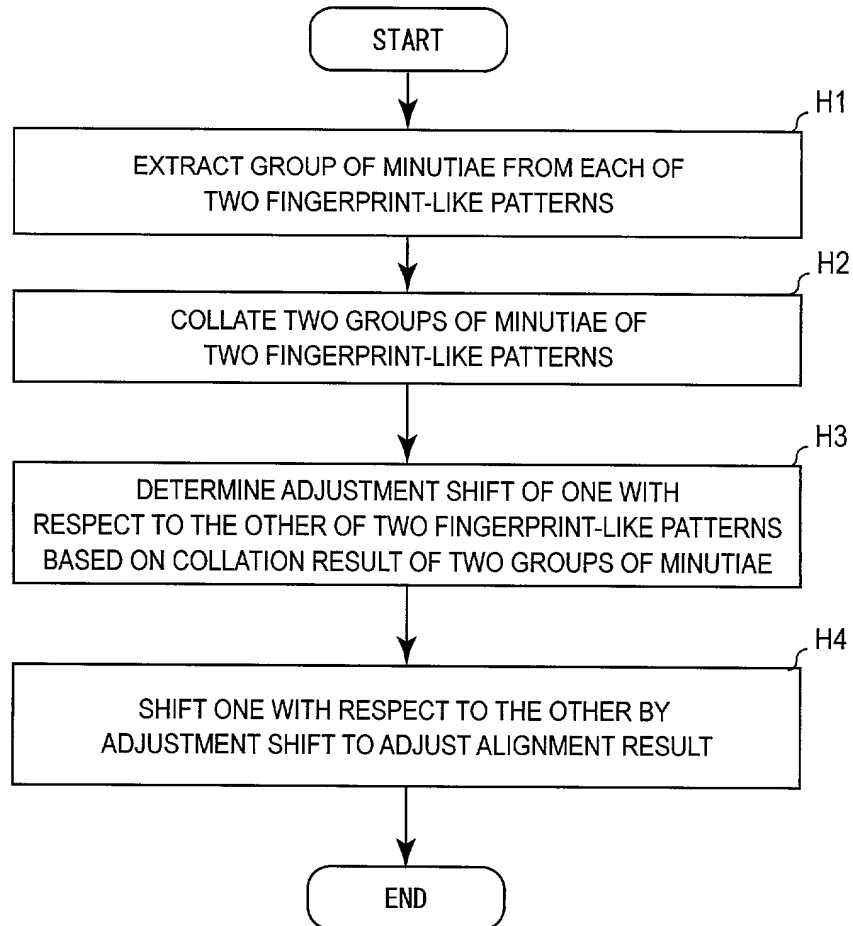


FIG. 30(A)

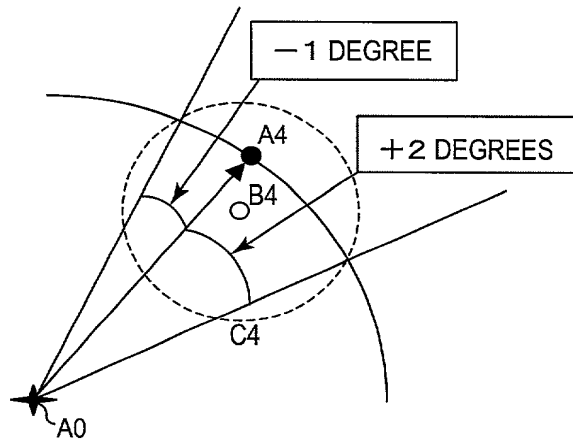
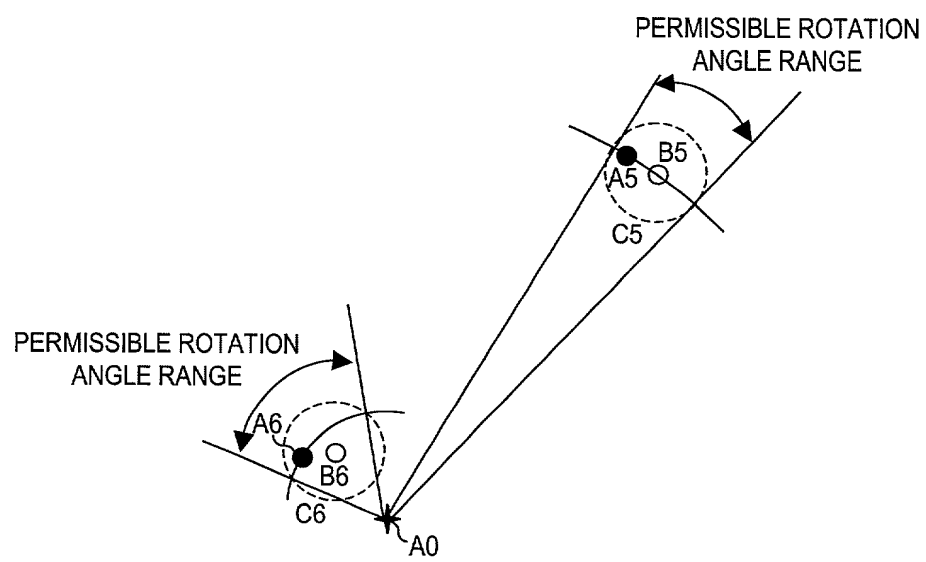
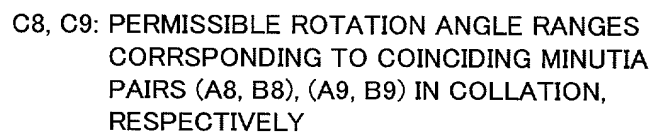


FIG. 30(B)



[illegible]

■ □ : PERIPHERAL MINUTIAE

FIG. 31

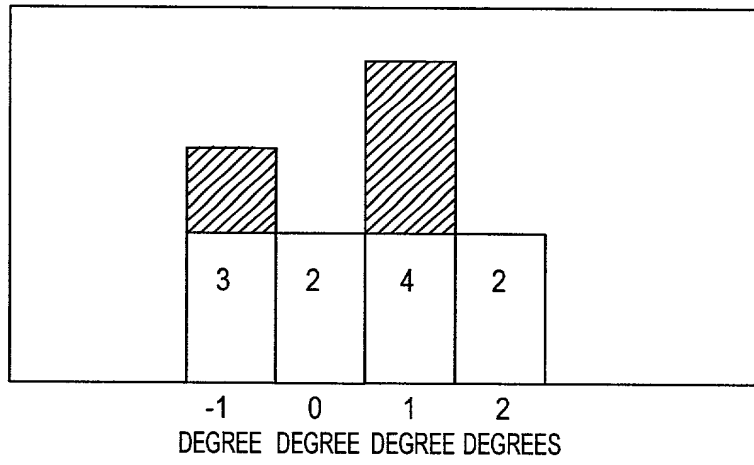


FIG. 32

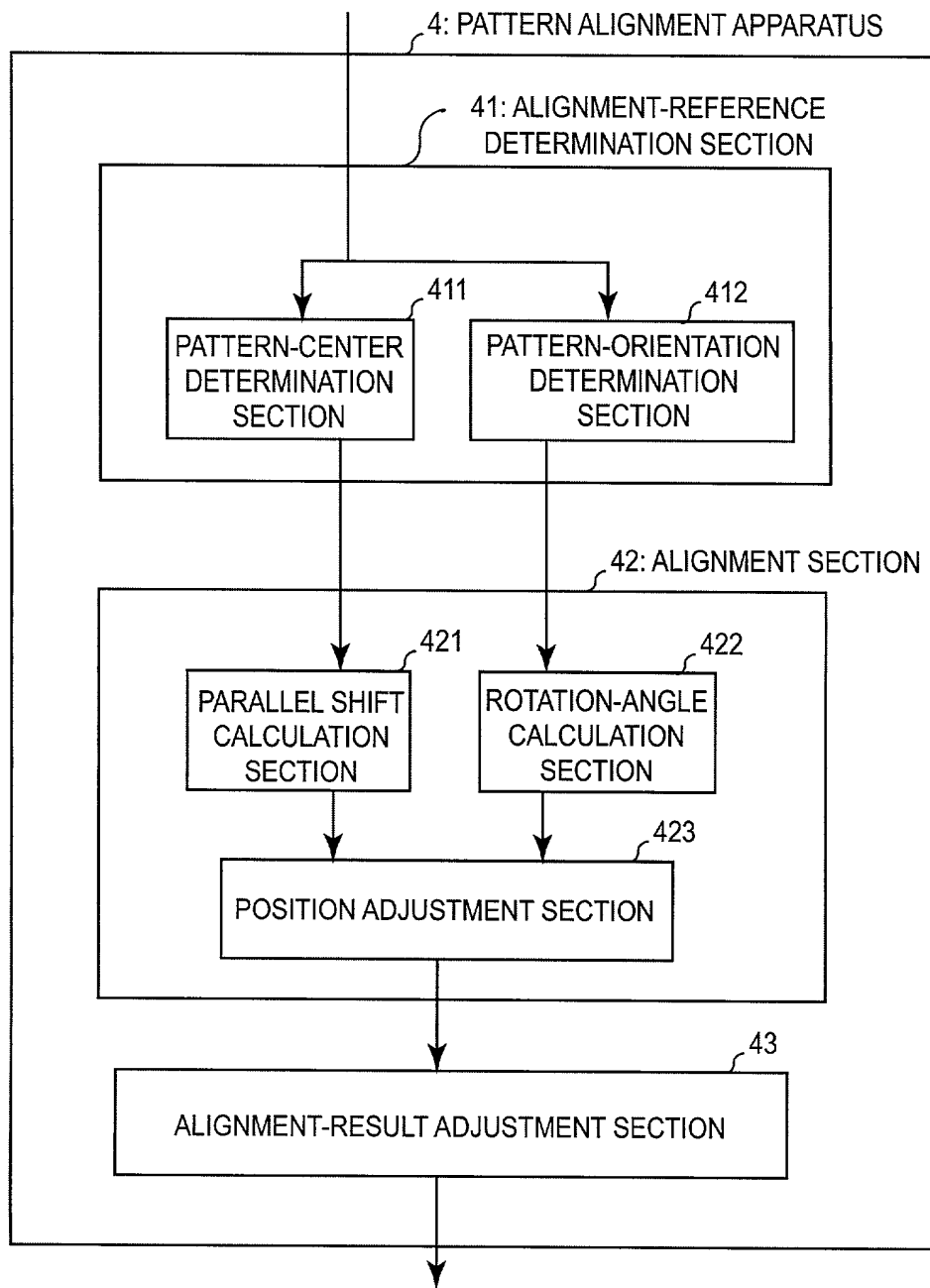


FIG. 33

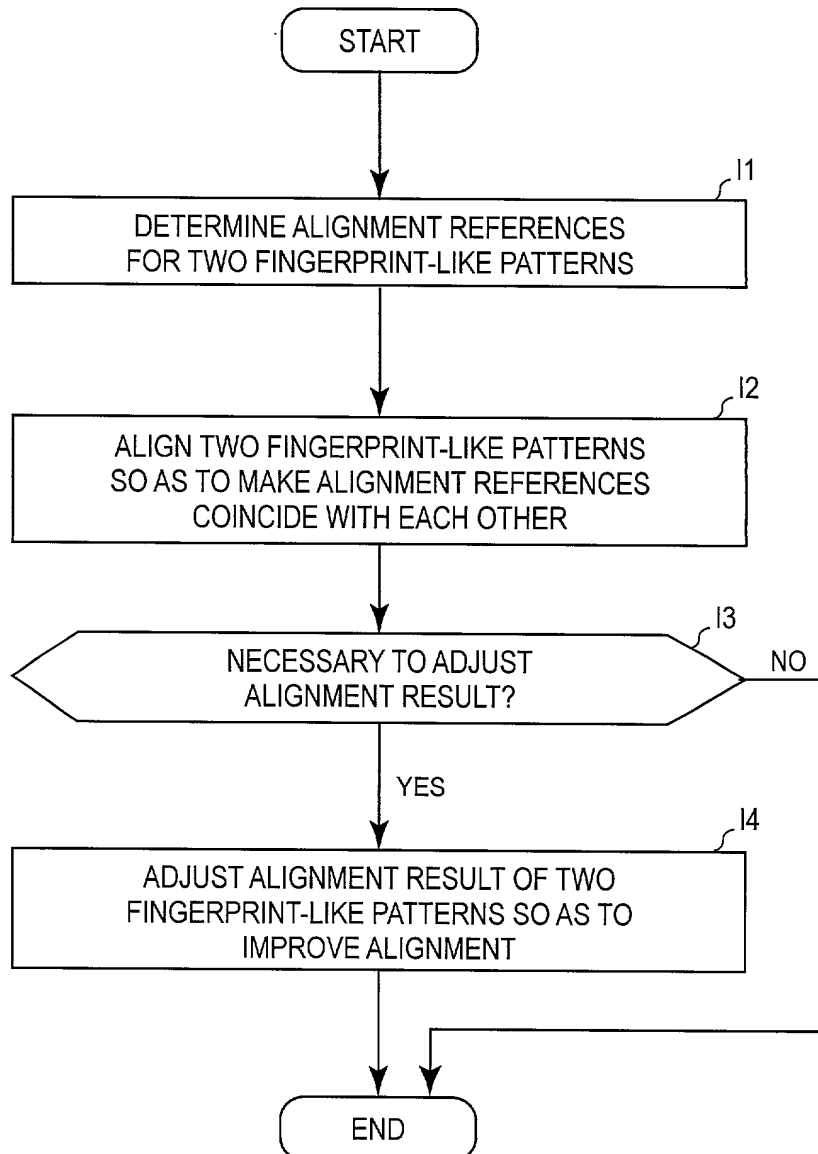


FIG. 34

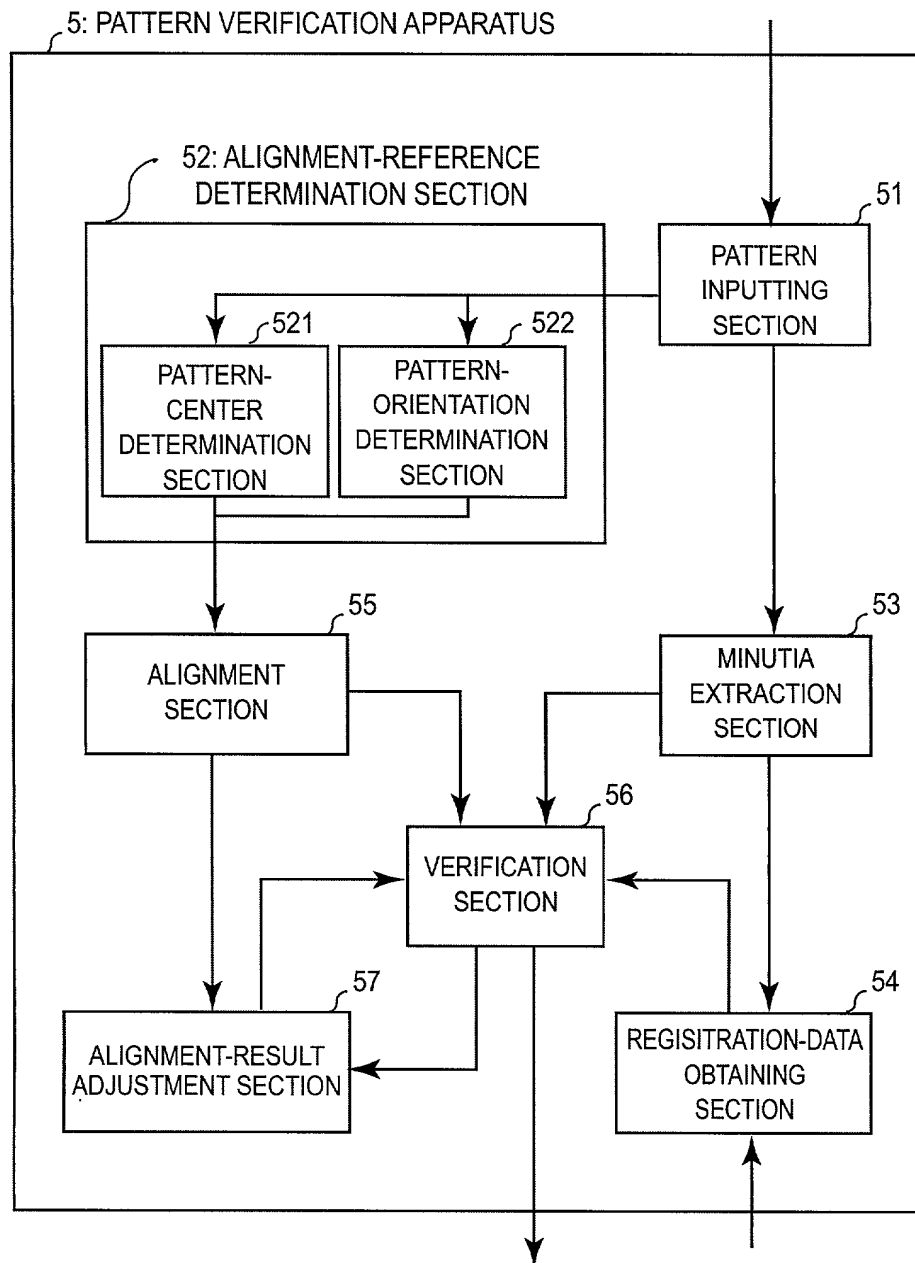


FIG. 35

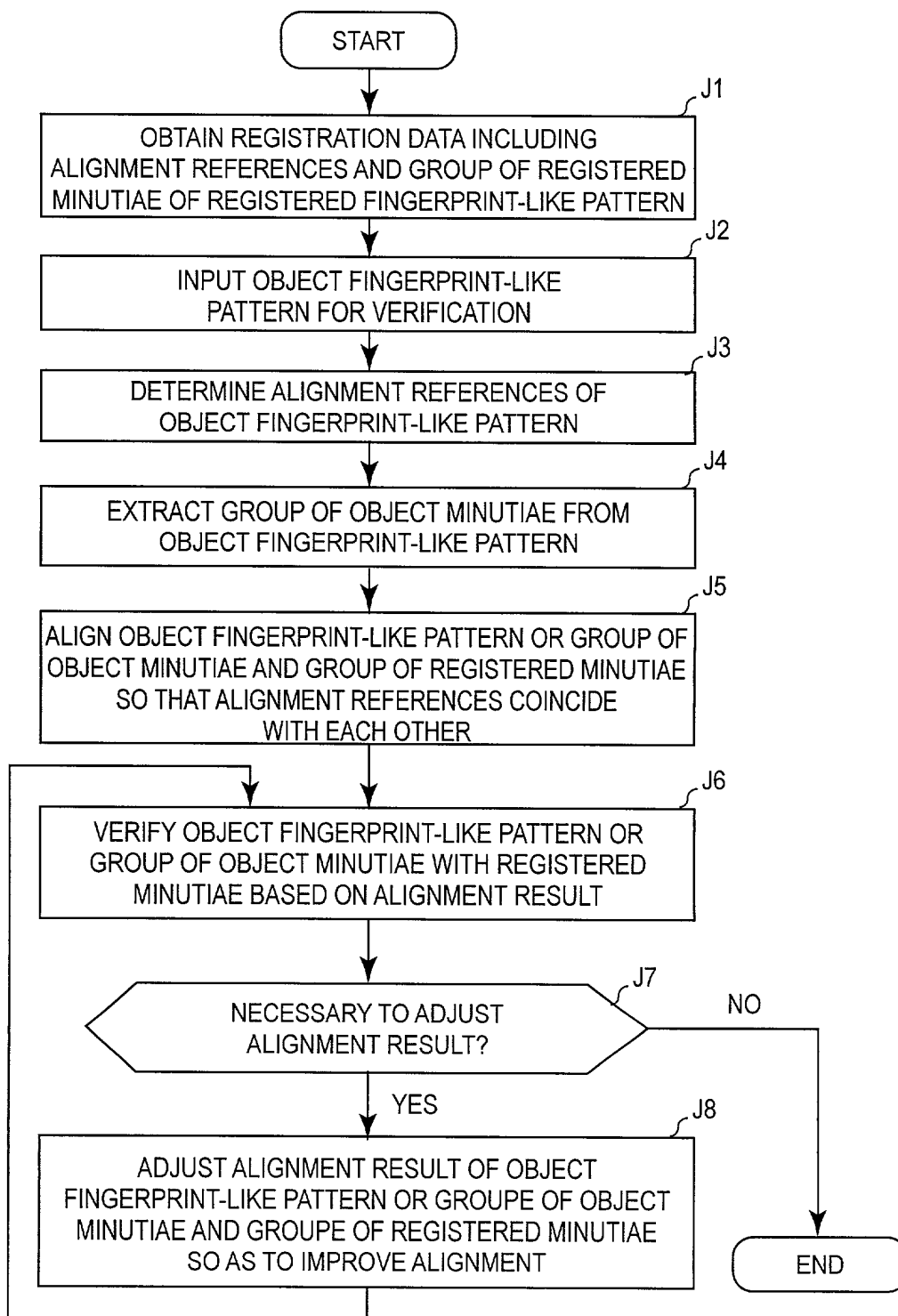


FIG. 36

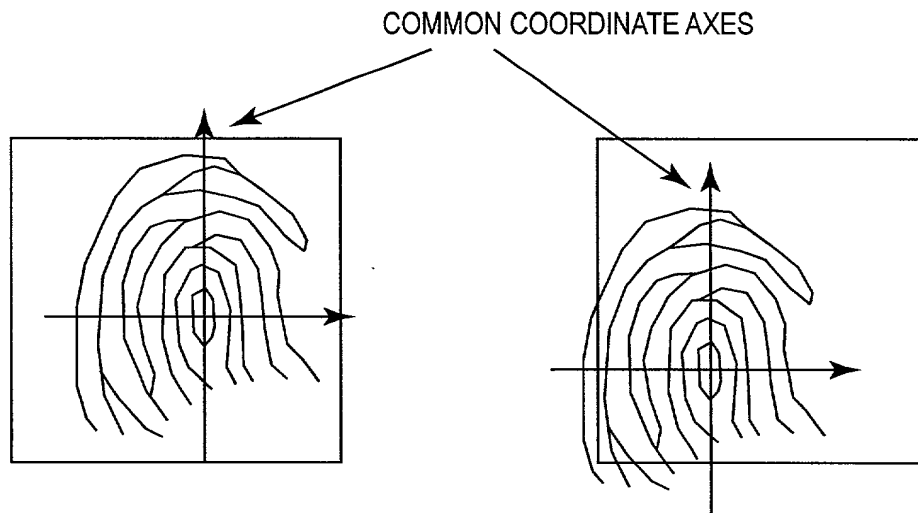


FIG. 37

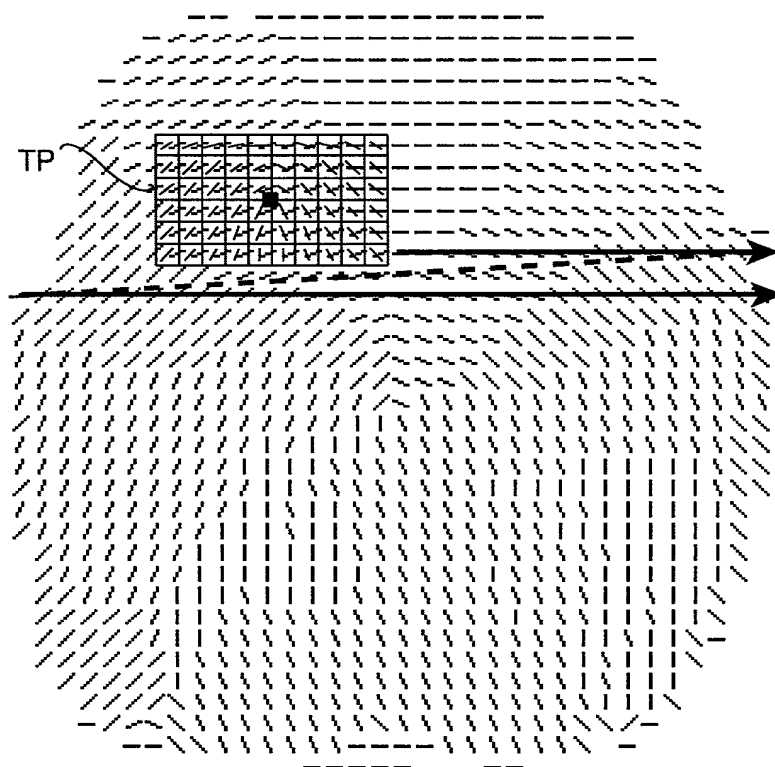
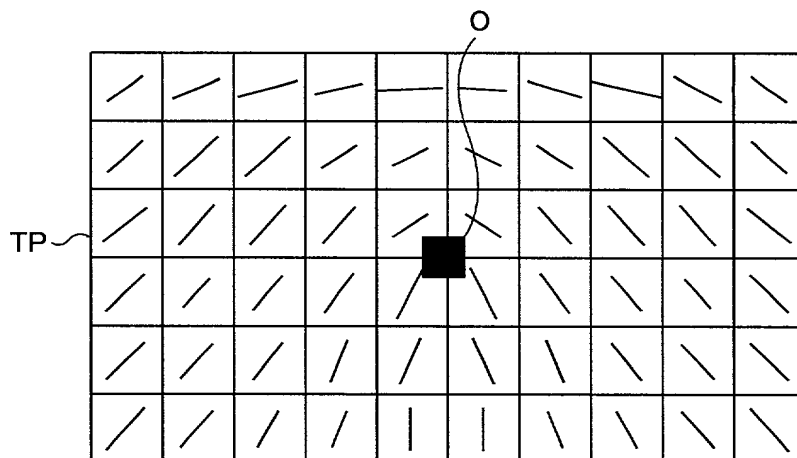


FIG. 38



■ : CENTER "O" OF FINGERPRINT

FIG. 39









DIRECTION 0	DIRECTION 1	DIRECTION 2	DIRECTION 3	DIRECTION 4	DIRECTION 5	DIRECTION 6	DIRECTION 7
							

FIG. 39

FIG. 40(A)

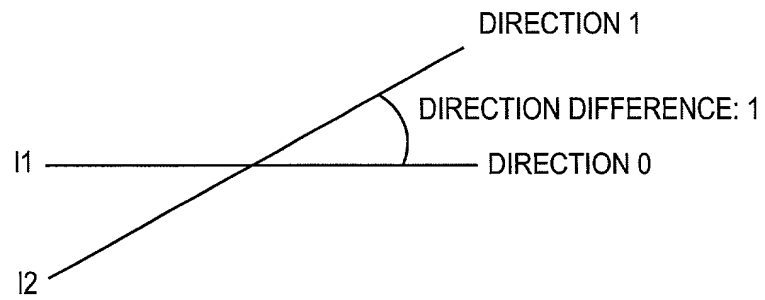


FIG. 40(B)

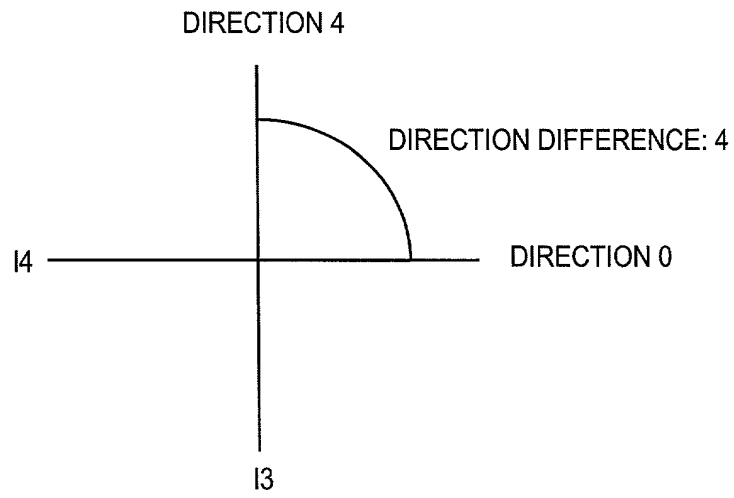




FIG. 40(C)

